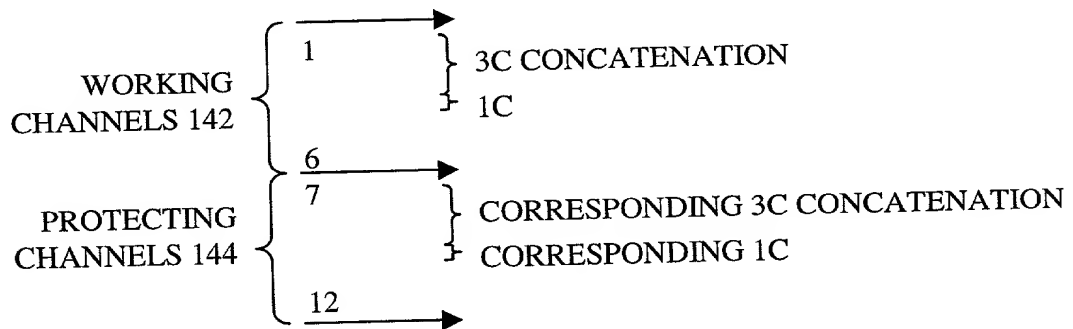


FIG. 1B (PRIOR ART)



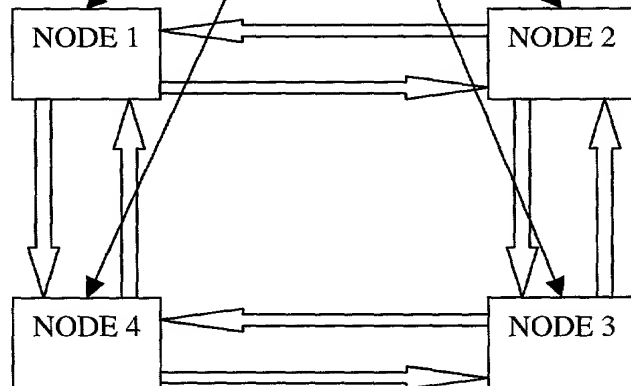
PLAN RING, INCLUDING THE NETWORK ELEMENT INFORMATION (E.G., THE NETWORK ELEMENTS THAT WILL PARTICIPATE (INCLUDING APS NODE IDS), THE LINE CARDS AND PORTS WITHIN THOSE NETWORK ELEMENTS, THE CROSS-CONNECTIONS, ETC.) AND THE RING NETWORK INFORMATION (E.G., THE RING MAP, THE INITIAL SQUELCH TABLE FOR EACH NODE, ETC.) 200

FIG. 2  
(PRIOR ART)

BUILD RING AND ENTER INTO NETWORK MANAGEMENT SYSTEM THE NETWORK ELEMENT INFORMATION AND THE RING NETWORK INFORMATION 210

PUSH NETWORK ELEMENT INFORMATION AND RING NETWORK INFORMATION DOWN TO NETWORK ELEMENTS 230

NETWORK  
MANAGEMENT  
SYSTEM 220



OC-12 LINE SWITCHED RING 300

WORKING TRAFFIC 330  
CONCATENATION SIZE: 6C  
WORKING CHANNELS: 1-6

WORKING TRAFFIC 310  
CONCATENATION SIZE: 3C  
WORKING CHANNELS: 1-3

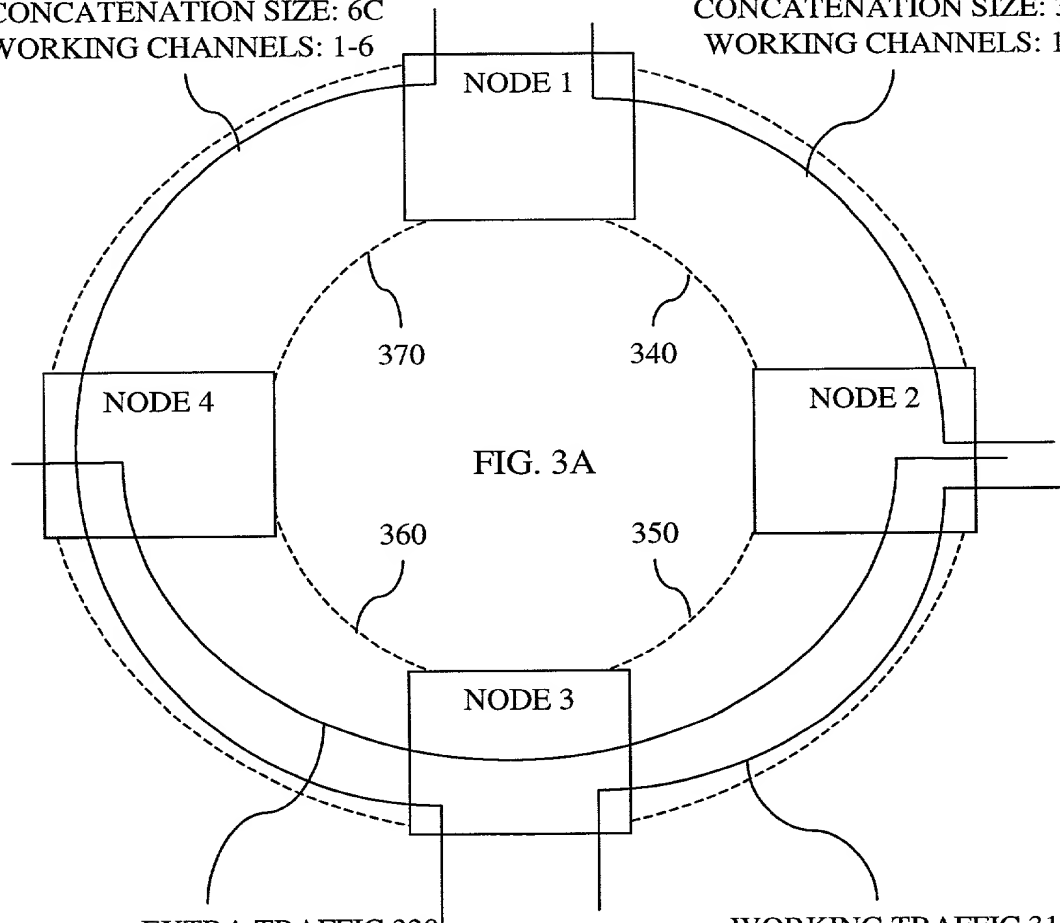
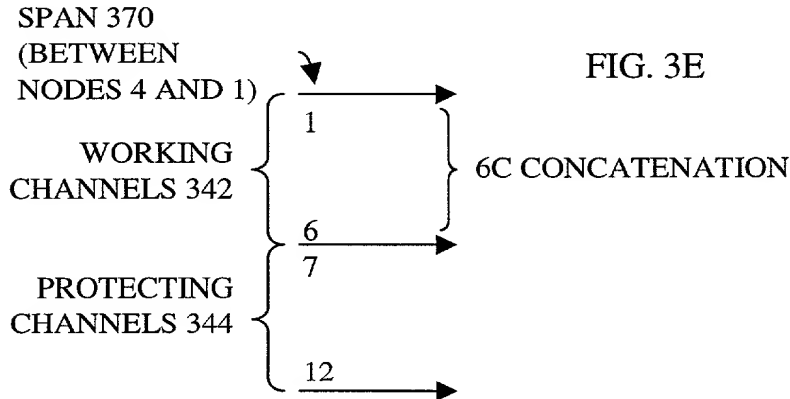
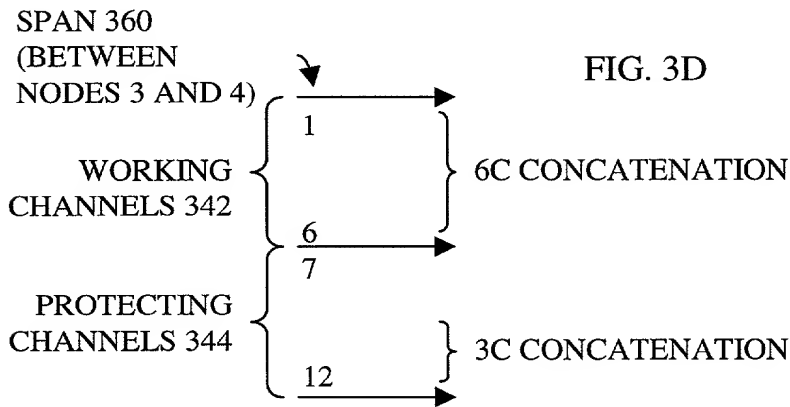
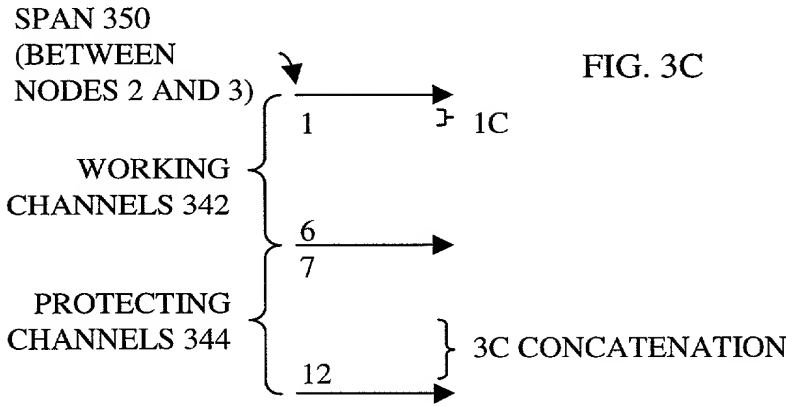
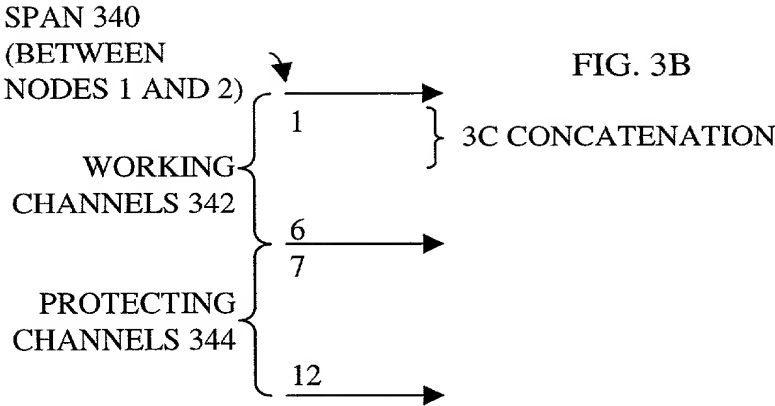


FIG. 3A



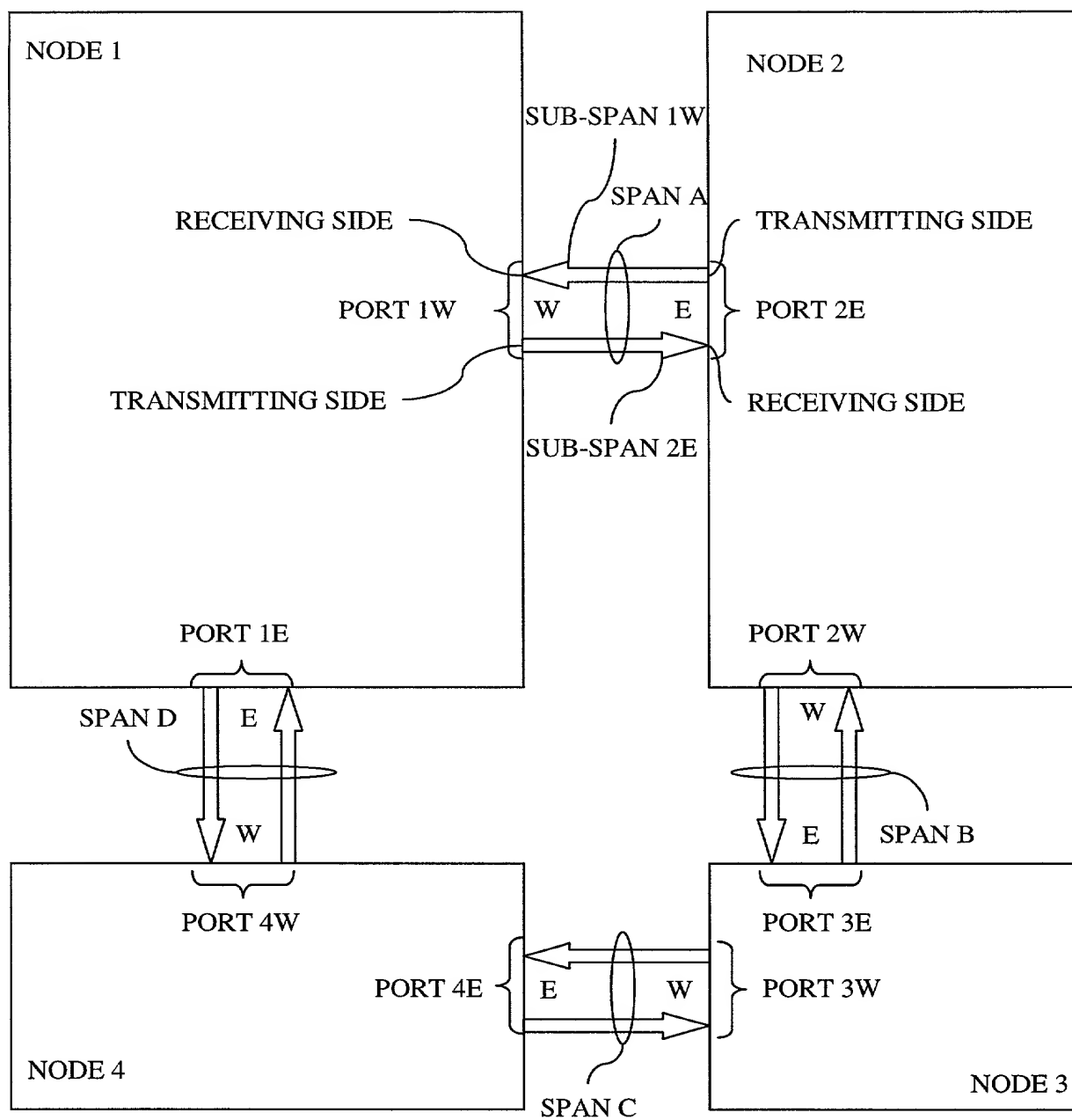


FIG. 4

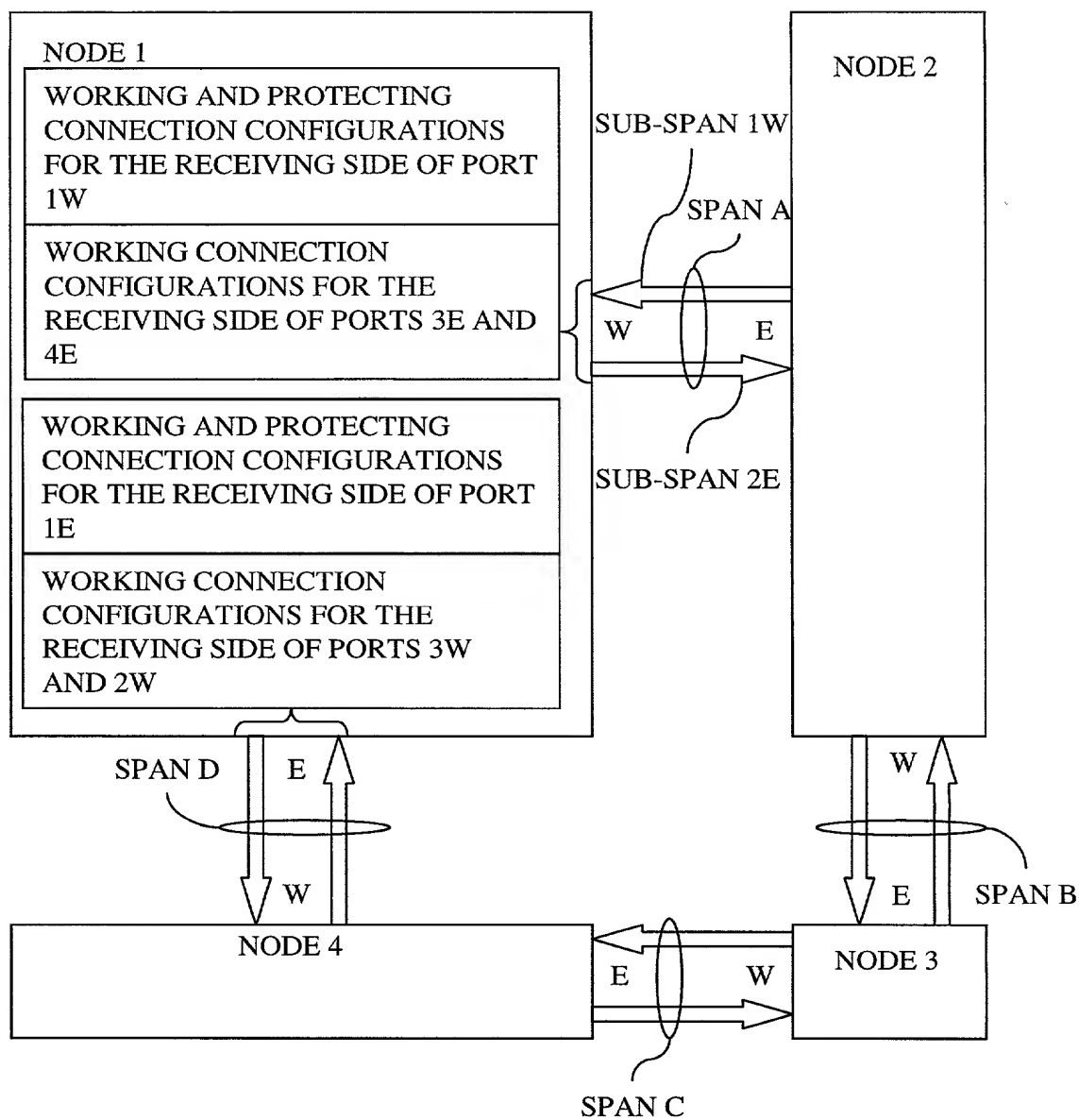


FIG. 5

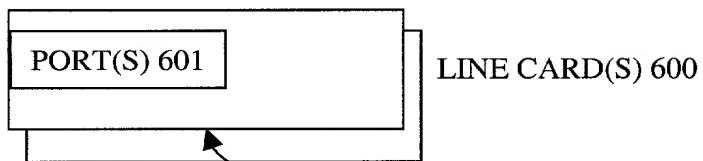


FIG. 6A

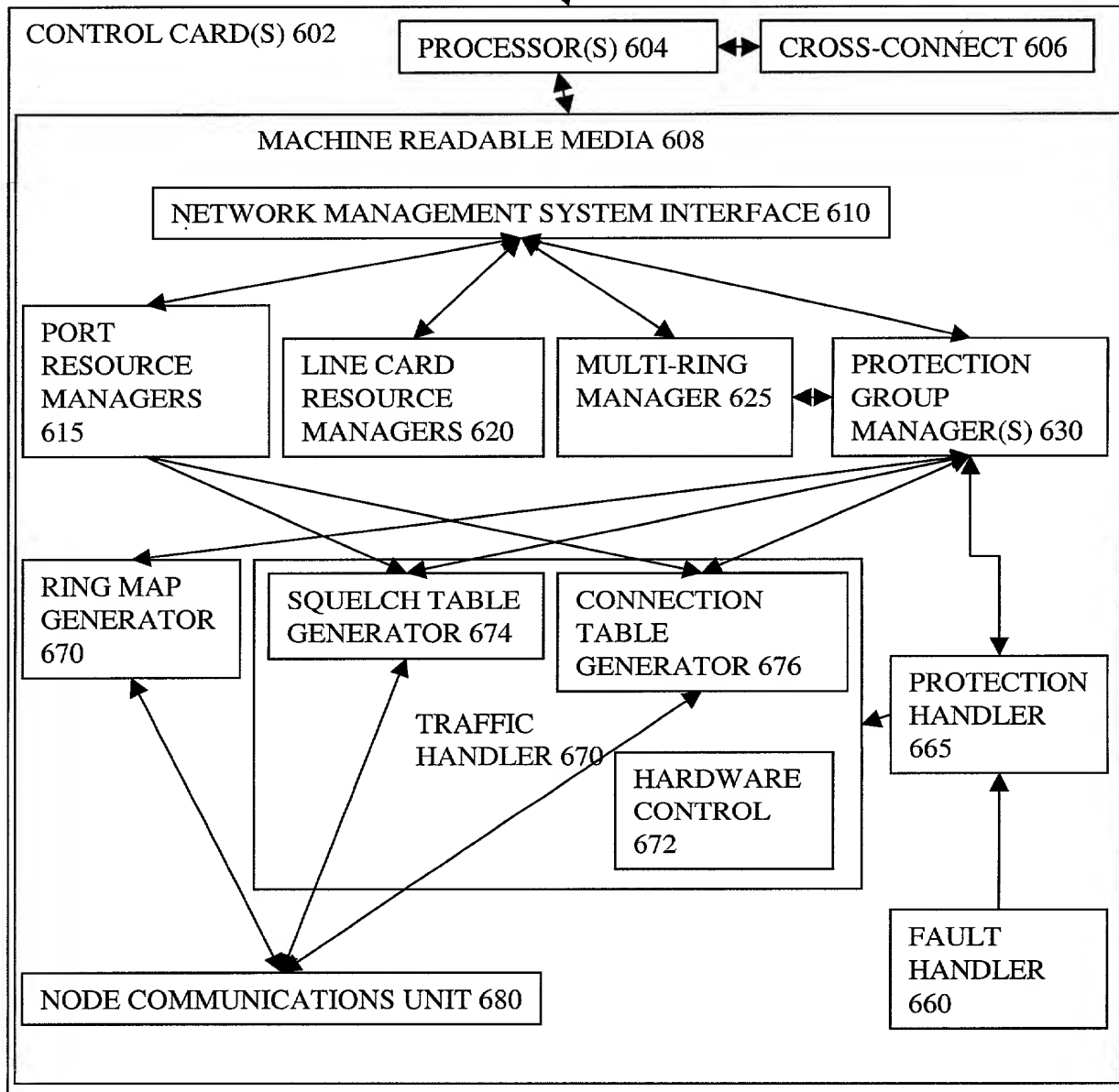


FIG. 6B

FIG. 6B

PROTECTION GROUP MANAGER 630A

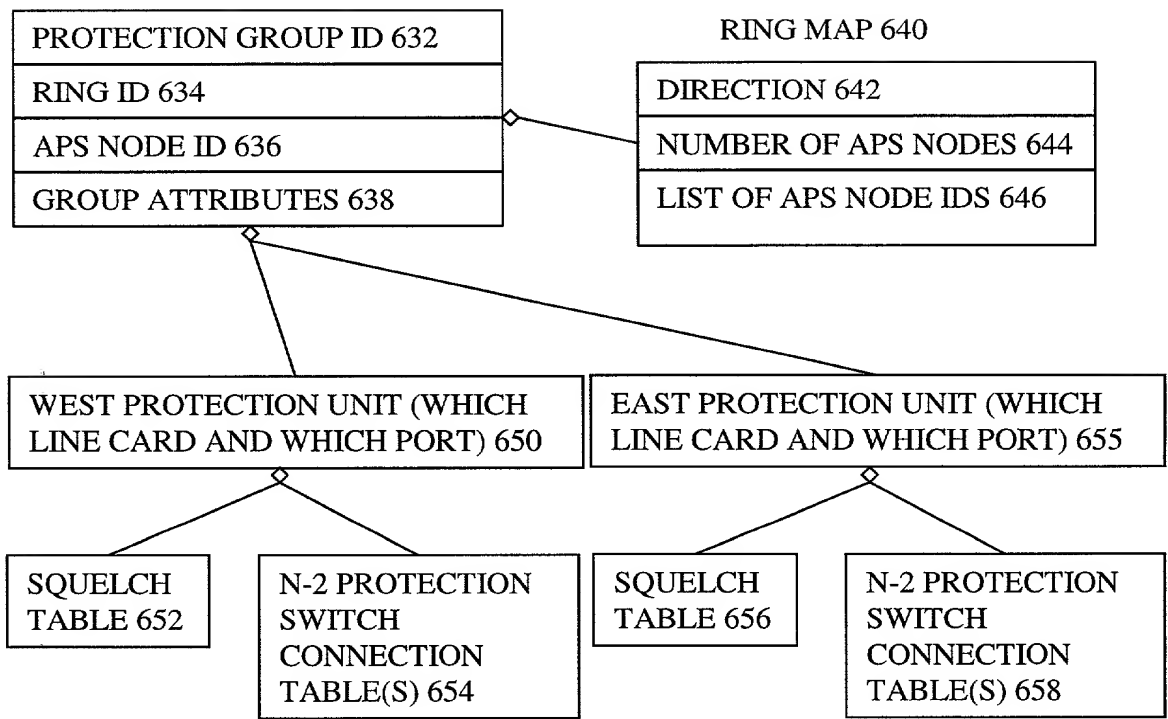




FIG. 7

PLAN RING, INCLUDING THE NETWORK ELEMENT INFORMATION (E.G., THE NETWORK ELEMENTS THAT WILL PARTICIPATE (INCLUDING APS NODE IDS), THE LINE CARDS AND PORTS WITHIN THOSE NETWORK ELEMENTS, THE CROSS-CONNECTIONS, ETC.) AND THE RING MAP 800

FIG. 8

